

What is claimed is:

1. A thermostat system comprising:
 - a first circuit for providing a modulated variable output for controlling at least one valve or damper in an air management system; and
 - a second circuit for providing a discrete on/off output for controlling at least one valve or damper in an air management system.
2. The system of claim 1, wherein an air management system is for controlling a temperature of air being managed.
3. The system of claim 2, wherein the system further comprises a third circuit for setting a temperature for air being managed.
4. The system of claim 3, wherein the third circuit is further for setting the time period for the temperature for the air being managed.
5. The system of claim 4, wherein the third circuit may be programmed for setting a plurality of temperatures for a plurality of time periods.

6. The system of claim 5, further comprising a fourth circuit for setting a humidity level for the air being managed.

7. The system of claim 6, further comprising a user interface connected to the first, second, third and fourth circuits.

8. The system of claim 7, wherein the user interface is a personal digital assistant.

9. A thermostat system comprising:

a first means for providing a modulated output; and
a second means for providing a non-modulated output;
and

wherein each output is connected to a temperature
control mechanism.

10. The system of claim 9, further comprising a means for setting temperatures connected to the first and second means.

11. The system of claim 10, wherein the means for setting temperatures is a personal digital assistant.

12. The system of claim 10, wherein each output is connected to a humidity control mechanism.

13. The system of claim 12, further comprising a first means for setting a humidity level connected to the first means for providing a modulated output.

14. The system of claim 13, further comprising a second means for setting a humidity level connected to the second means for providing a non-modulated output.

15. The system of claim 14, further comprising a personal digital assistant connectable to the means for setting temperatures, and the first and second means for setting a humidity level.

16. The system of claim 15, wherein the thermostat system is programmable relative to the means for setting temperatures and the first and second means for setting a humidity level.

17. The system of claim 16, wherein the thermostat system is programmable in time periods relative to the means for setting temperatures and the first and second means for setting a humidity level.

18. The system of claim 17, wherein the thermostat system is programmable with the personal digital assistant.

19. The system of claim 18, wherein the personal digital assistant is connectable via an infrared connection to the thermostat system.

20. A thermostat comprising:

a processor;

a temperature setting interface connectable to the
processor;

a digital buffer connected to the processor;

a digital-to-analog converter connected to the
processor;

wherein:

an output of the digital buffer is a non-modulated
signal; and

an output of the digital-to-analog converter is a
modulated signal.

21. The thermostat of claim 20, wherein the temperature setting interface is connectable by infrared light to the processor.

22. The thermostat of claim 21, wherein the temperature setting interface is a personal digital assistant.

23. The thermostat of claim 22, wherein:

the output of the digital-to-analog converter is

connectable to a heating, ventilation and air
conditioning system (HVAC); and

the output of the digital buffer is connectable to an
HVAC.

24. The thermostat of claim 23, further comprising:

an analog-to-digital converter connected to the
processor; and

at least one temperature sensor connected to the
analog-to-digital converter.

25. The thermostat of claim 24, wherein the processor is programmable for setting certain temperatures during certain time periods.

26. The thermostat of claim 25, further comprising at least one humidity sensor connected to the analog-to-digital converter.

27. A thermostat system comprising:
a network communications bus;
a plurality of thermostats connected to the network communications bus;
a sequencer connected to the network communications bus; and
at least one sensor connected to the sequencer;

wherein:

at least one thermostat of the plurality of thermostats is connected to a heating, ventilation and air conditioning system (HVAC);
and
the sequencer provides information to at least one thermostat.

28. The thermostat system of claim 27, wherein at least one thermostat provides information to the sequencer.

29. The thermostat system of claim 28, further comprising a user interface connected to the sequencer.

30. The thermostat system of claim 28, further comprising a personal digital assistant connectable to the sequencer.

31. The thermostat system of claim 29, further comprising a PDA connectable to the user interface.

32. The thermostat system of claim 27, wherein the sequencer sequences the operation of the plurality of thermostats.